Python: module browser.gui_menu

browser.gui_menu

```
# The PCMDI Data Browser Menu Bar -  gui_menu module
#
##########################################################################
#                                                                        #
# Module:        gui_menu module                                         #
#                                                                        #
# Copyright:     "See file Legal.htm for copyright information."         #
#                                                                        #
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#                                                                        #
# Description:   PCMDI Software System browser Tkinter Main Menu Bar.    #
#                                                                        #
# Version:       4.0                                                     #
#                                                                        #
##########################################################################
#
#-------------------------------------------------------------------
# NOTE: need to use version of Python that imports Tkinter and Pmw
#-------------------------------------------------------------------
```

Modules

Tkinter	browser.gui_busy	browser.gui_functions	browser.gui_sta
__main__	gui_support.gui_color	browser.gui_message	gui_support
cdutil	browser.gui_control	browser.gui_output	browser.gui_use
genutil	browser.gui_defined_variables	browser.gui_read_Struct	os
browser.gui_about	browser.gui_edit_list	browser.gui_reset	string
browser.gui_ascii	browser.gui_extend_menus	browser.gui_saved_settings	sys
browser.gui_ascii_cols	browser.gui_filters_question	browser.gui_select_variable	tkFileDialog
browser.gui_bounds_question	browser.gui_formulate	browser.gui_set_idle_font	webbrowser

Classes

create
create_file_menu
create_help_menu
create_options_menu
create_pcmdi_tools_menu
create_tools_menu

exit_browser

class *create*

```
    #----------------------------------------------------------------
    # Begin the creation of the file menu and its menu items
    #----------------------------------------------------------------
```

Methods defined here:

__init__(self, parent)

class *create_file_menu*

```
    #----------------------------------------------------------------
    # Begin the creation of the file menu and its menu items
    #----------------------------------------------------------------
```

Methods defined here:

__init__(self, main_menu, parent)

evt_all_files(self, parent)
```
        ####### event for seleting ALL data files
```

evt_cdml_files(self, parent)
```
        ####### event for seleting CDML data files
```

evt_cdms_files(self, parent)
```
        ####### event for seleting CDMS data files
```

evt_ctl_files(self, parent)
```
        ####### event for seleting GrADS data files
```

evt_data_files(self, parent)
```
        ####### event for seleting the PCMDI data files
```

evt_datasets_files(self, parent)
```
        ####### event for seleting the Database data files
```

evt_dic_files(self, parent)
```
        ####### event for seleting DRS data files
```

evt_find_files(self, parent)
```
        ####### event for seleting Pattern files
```

evt_hdf_files(self, parent)

evt_nc_files(self, parent)
```
        ####### event for seleting netCDF data files
```

_evt_open_file_(self, parent)
```
#-----------------------------------------------------------
# Define event function's for "File" menu items
#-----------------------------------------------------------
#
#
####### event that will pop up the tkFile dialog and enter th
#       in the directory and file entry widgets
```

_evt_read_script_file_(self, parent)
```
####### event to "Read Script File"
```

_evt_returned_printers_(self, parent, printer_name)
```
####### event to plot VCS Canvas to desinated printer
```

_evt_save_plot_to_cgm_(self, parent)
```
####### event to save "Plot" in a 'CGM' file
```

_evt_save_plot_to_eps_(self, parent)
```
####### event to save "Plot" in a 'EPS' file
```

_evt_save_plot_to_gif_(self, parent)
```
####### event to save "Plot" in a 'GIF' file
```

_evt_save_plot_to_postscript_(self, parent)
```
####### event to save "Plot" in a 'Postscript' file
```

_evt_save_state_of_System_(self, parent)
```
####### event to "Save the Current State of the System"
```

_evt_save_state_of_VCS_(self, parent)
```
####### event to "Save the Current State of the VCS graphics
```

_evt_specify_printer_(self, parent)
```
####### event to plot VCS Canvas to "Specified" printer
```

_evt_xml_files_(self, parent)
```
####### event for seleting XML data files
```

class **_create_help_menu_**
```
#-----------------------------------------------------------
# Create the Help menu and its menu items
#-----------------------------------------------------------
```

Methods defined here:

___init___(self, main_menu, parent)

_evt_cdat_las_web_(self)
```
####### event to bring up a web browser that is displaying th
```

evt_cdat_web(self)
```
      #-------------------------------------------------------
      # Class "Help" events
      #-------------------------------------------------------
      #
      ####### event to bring up a web browser that is displaying th
```

evt_numpy_web(self)
```
      ####### event to bring up a web browser that is displaying th
```

evt_pcmdi_web(self)
```
      ####### event to bring up a web browser that is displaying th
```

evt_python_web(self)
```
      ####### event to bring up a web browser that is displaying th
```

class ***create_options_menu***
```
   #----------------------------------------------------------------
   # Create the Preferences menu and its menu items
   #----------------------------------------------------------------
```

Methods defined here:

___init___(self, main_menu, parent, save_region, squeeze_dim_flg, fortran_order_flg, popup_window
view_bounds_weights_flg, meridian_flg, convert_to_MV_flg, show_exit_popup_flg)

evt_DV_single_selection_mode(self, parent)

evt_color_intensity(self, parent, color_intensity)
```
      #-------------------------------------------------------
      # Class "Preferences" events
      #-------------------------------------------------------
      #
      ####### event to set "Colormap Maximun Intensity Value"
```

evt_convert_to_MV_toggle(self, parent)
```
      ####### event to set "Automatic Conversion of Numeric and MA
```

evt_exit_popup_toggle(self, parent)
```
      ####### event to set "Show Popup Window for Existing VCDAT"
```

evt_fortran_toggle(self, parent)
```
      ####### event to set "Fortran Order"
```

evt_mode_of_operation(self, parent, operation_mode)
```
      ####### event to set "Save Region Selection"
```

evt_popup_window_toggle(self, parent)
```
      ####### event to set "Popup Window Defined Settings"
```

evt_reset_GUI_state(self, parent)
```
####### event to "Reset GUI to its Initial State"
```

evt_reset_GUI_swap_space(self, parent)
```
####### event to "Reset the GUI's Swap Space Size"
```

evt_save_GUI_settings(self, parent)
```
####### event to "Save GUI Settings"
```

evt_save_GUI_state(self, parent)
```
####### event to "Save GUI's Initial State"
```

evt_save_VCS_settings(self, parent)
```
####### event to "Save VCS Settings"
```

evt_set_default_colormap(self, parent)
```
####### event to "Reset the GUI's Swap Space Size"
```

evt_set_default_graphics_method(self, parent)
```
####### event to "Reset the GUI's Swap Space Size"
```

evt_set_default_template(self, parent)
```
####### event to "Reset the GUI's Swap Space Size"
```

evt_set_meridian_toggle(self, parent, number)
```
####### event to set "Meridian Selection"
```

evt_set_region(self, parent, region_type)
```
####### event to set "Save Region Selection"
```

evt_show_defined_var_tools(self, parent)

evt_show_template_graphics_method_windows(self, parent)

evt_squeeze_dim_toggle(self, parent)
```
####### event to set "Squeeze Dimension Selection"
```

evt_view_axes_toggle(self, parent)
```
####### event to set "View Axes Selection"
```

evt_view_bounds_weights_toggle(self, parent)
```
####### event to set "View Bounds and Weights Selection"
```

execute_c_selection(self, vcs, parent, result)
```
# Set the colormap selection
```

class ***create_pcmdi_tools_menu***
```
#------------------------------------------------------------------
# Create the PCMDI Tools menu and its menu items
#------------------------------------------------------------------
```

Methods defined here:

__init__(self, main_menu, parent)

dailyboundsset(self, parent, fqcy)

evt_climatology(self, parent, fname)

```
        #----------------------------------------------------
        # Class "Climatology" events
        #----------------------------------------------------
```

evt_departures(self, parent, fname)

```
        #----------------------------------------------------
        # Class "Departures" events
        #----------------------------------------------------
```

evt_extract(self, parent, fname)

```
        #----------------------------------------------------
        # Class "Extract" events
        #----------------------------------------------------
```

evt_filters(self, parent, slab, filter_name, fname, varid, options)

evt_salstat(self, parent, fname, axis=None)

```
        #----------------------------------------------------
        # Method "Statistics" events
        #----------------------------------------------------
```

evt_sigma(self, parent, fname)

evt_statistics(self, parent, fname, axis=None, weights=None, noloop=0)

```
        #----------------------------------------------------
        # Method "Statistics" events
        #----------------------------------------------------
```

get_var(self, parent, fname=None)

```
        # Get the selected variable( s ) from a file or defined in me
```

monthlyboundsset(self, parent)

return_unique_name(self, name)

```
        # Return a unique name to be placed in the defined variable w
```

yearlyboundsset(self, parent)

class *create_tools_menu*

```
    #-----------------------------------------------------------------
    # Create the Tools menu and its menu items
    #-----------------------------------------------------------------
```

Methods defined here:

___init___(self, main_menu, parent, record_commands_flg)

evt_popup_change_idle_font_pupop(self, parent)
        ####### event to change idle's font

evt_popup_idle_command_window(self, parent)
        ####### event to popup the idle command window

evt_popup_idle_editor_window(self, parent)
        ####### event to popup the idle editor window for old file

evt_popup_new_idle_editor_window(self, parent)
        #--
        # Class "Tools" events
        #--
        ####### event to popup the idle editor window for old file

evt_record_toggle(self, parent)
        ####### event to set record flag

evt_view_GUI_state(self, parent)
        ####### event to "view GUI State"

evt_view_record(self, parent)
        ####### event to view recorded commands

evt_view_record_b(self, parent)
        ####### event to view beginner's recorded commands

update_defined_for_user(self, shell, parent, event)

withdraw_idle(self, shell, filename)

class *exit_browser*

    #--
    ####### event for "Exiting" the VCDAT GUI
    #--

    Methods defined here:

    ___init___(self, parent)

    evt_save_VCS_state(self)

    evt_save_gui_state(self)

exit_execute(self, parent, button)

Data

Pmw = <Pmw.Pmw_1_2.lib.PmwLoader.PmwLoader instance>
fn = '/pcmdi/halliday1/PCMDI_GRAPHICS'